

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please ADD new claims 17 and 18 in accordance with the following:

1. (previously presented) A graphical user interface element displayed on a display, comprising:

a three-dimensional orientation indicator widget positioned in and displayed in association with a three-dimensional scene and visually indicating an orientation of the scene, and said indicator comprising:

view direction controls each indicating a direction of a corresponding view into the three-dimensional scene and causing a display view orientation of the three-dimensional scene to change to the corresponding predefined view orientation upon selecting the control and where the view controls rotate corresponding to the change in the display view orientation.

2. (previously presented) The graphical user interface element as recited in claim 1, wherein an object in the scene is centered and sized to fit the display view when a scene change occurs responsive to selection of one of the controls.

3. (previously presented) The graphical user interface element as recited in claim 1, wherein the indicator is part of the three-dimensional scene, always positioned at a predetermined position in the display view and always substantially a same size in the display view.

4. (previously presented) The graphical user interface element as recited in claim 1, wherein the element comprises:

a central core control associated with a perspective view of the scene; and

axial controls peripherally positioned with respect to the core control, aligned with the axial dimensions of the scene and associated with corresponding front, back, top, bottom, left side and right side views.

5. (previously presented) The graphical user interface element is recited in claim 4, wherein the front direction control is different from the other controls.

6. (previously presented) The graphical user interface element as recited in claim 4, wherein the axial controls are each shaped to point at the core control indicating the view direction of the axial control.

7. (previously presented) The graphical user interface element as recited in claim 4, further comprising a non-axial control peripherally positioned with respect to the core control and indicating a direction of a corresponding view into the three-dimensional scene and causing a display view of three-dimensional scene to change to the corresponding view when selected.

8. (previously presented) The graphical user interface element as recited in claim 7, wherein the non-axial controls are specified by a user.

9. (previously presented) A process, comprising:
determining whether a view direction indicating control of a three-dimensional orientation indicator positioned in a display view of a three-dimensional scene has been activated; and
orienting the display view orientation to the predefined view orientation direction of the control upon activating the control and wherein the view control rotates corresponding to the change in the display view orientation.

10. (original) A process as recited in claim 9, wherein the indicator is in the three dimensional scene and the process further comprises:

positioning the indicator in the scene to place the indicator in a predetermined position in the display view; and

changing the size of the indicator in the scene to fix the indicator at a predetermined size in the display view.

11. (original) A process as recited in claim 9, further comprising:
centering a scene object in the display view; and
fitting the scene object to the display view.

12. (previously presented) A system, comprising:

a display;

an input device used to make selections on the display; and

a computer coupled to the mouse and the display, displaying a three-dimensional scene on the display in a display view, the scene comprising a three-dimensional orientation indicator positioned in and indicating the orientation of the scene, the orientation indicator comprising view controls indicating a view direction and the computer changing the display view orientation to the predefined view orientation direction associated with a control upon selecting the control by the mouse and where the view controls rotate corresponding to the change in the display view orientation.

13. (previously presented) A computer readable storage controlling a computer by a process stored thereon determining whether a view direction indicating control of a three-dimensional orientation indicator positioned in a display view of a three-dimensional scene has been activated and orienting the display view orientation to the predefined view orientation direction of the control upon activating the control and where the view control rotates corresponding to the change in the display view orientation.

14. (previously presented) A graphical user interface displayed on a display and having three-dimensional directional indicators positioned in and displayed in association with and indicating an orientation of a three-dimensional scene and that orient the view to the predefined orientation direction indicated upon activating the indicator by a user and where the indicator rotates corresponding to the change in the view.

15. (previously presented) A graphical user interface element displayed on a display, comprising:

a three-dimensional orientation indicator positioned and displayed in association with in a three-dimensional scene, visually indicating an orientation of the scene, part of the three-dimensional scene, always positioned at a predetermined position in the display view and always substantially a same size in the display view, and said indicator comprising:

view direction controls each indicating a direction of a corresponding view into the three-dimensional scene and causing a display view orientation of three-dimensional scene to change to the corresponding predefined view orientation upon selecting the control and where the view controls rotate corresponding to the change in the display

view orientation, the view direction controls comprising:

a central core control associated with a perspective view of the scene and causing a display view of three-dimensional scene to change to the corresponding perspective view when selected;

axial controls peripherally positioned with respect to the core control, aligned with the axial dimensions of the scene, associated with corresponding front, back, top, bottom, left side and right side views, shaped to point at the core control indicating the view direction of the axial control with the front view direction control being a different color than the other controls and the axial controls being labeled with axial labels comprising part of the controls; and

a non-axial control peripherally positioned with respect to the core control by a user and indicating a direction of a corresponding view into the three-dimensional scene and causing a display view of three-dimensional scene to change to the corresponding non-axial view when selected, and

wherein an object in the scene is centered and sized to fit the display view when a scene change occurs responsive to selection of one of the controls.

16. (previously presented) A system, comprising:

a display, said display displaying a 3D scene and a 3D orientation indicator in association with the scene, the indicator visually indicating an orientation of associated scene and rotating in correspondence to scene view rotation, and the indicator comprising two view direction controls corresponding to each of the vertical, horizontal and depth axes of the scene and each indicating a direction of a corresponding view into the 3D scene, and each control causing a display view orientation of the three-dimensional scene to discretely change to the corresponding predefined view orientation into the scene when each control is selected by clicking on the control with a cursor.

17. (NEW) The graphical user interface element as recited in claim 1, wherein the three-dimensional orientation indicator visually indicates orientation of an x, y, and z axis in relation to the scene.

18. (NEW) The graphical user interface element as recited in claim 1, wherein the three-dimensional orientation indicator visually indicates top, bottom, left, right, front, and back in relation to the scene.